7. The method of claim 1, wherein the protein free medium is RPMI Medium 1640 comprising D-xylose at 0.076 mM, Hepes buffer at 25 mM, L-glutamine, sodium bicarbonate at 30 mM without phenol red, and 300 mg/dl D-glucose.

8. The method of claim 1, wherein the protein free medium is RPMI Medium 1640 comprising D-sucrose at 0.076 mM, Hepes buffer at 25 mM, L-glutamine, sodium bicarbonate at 30 mM without phenol red, and 300 mg/dl D-glucose.

9. The method of claim 1, wherein the protein free medium is RPMI Medium 1640 comprising polysucrose at 0.076 mM, Hepes buffer at 25 mM, L-glutamine, sodium bicarbonate at 30 mM without phenol red, and 300 mg/dl D-glucose.

10. The method of claim 1, wherein the protein free medium is RPMI Medium 1640 comprising D-sorbitol at 0.076 mM, Hepes buffer at 25 mM, L-glutamine, sodium bicarbonate at 30 mM without phenol red, and 300 mg/dl D-glucose.

11. The method of claim 1, wherein the tissue is pancreatic, liver, heart, brain, or kidney tissue.

12. A method of cultivating, preserving or storing an organism, a cell, a tissue or organ comprising placing the organism, the cell, the tissue or organ in a protein free medium containing (a) an oncotic agent that balances the oncotic pressure across a semi-permeable cell membrane, and (b) at least one of the following ingredients: Hepes buffer, L-glutamine and sodium bicarbonate without phenol red.

13. The method of claim 12, wherein the organism is a barophylic cell or organism.

14. A method of obtaining a cellular product from a cell or a tissue comprising cultivating the cell or the tissue in a protein free medium containing an oncotic agent that balances the oncotic pressure across a semi-permeable cell membrane, RPMI Medium 1640, Hepes buffer, L-glutamine, and sodium bicarbonate without phenol red.

15. The method of claim 14, wherein the oncotic agent is sucrose, polysucrose, sorbitol or D-xylose.

16. The method of claim 15, wherein the oncotic agent is at 0.076 mM.

17. The method of claim 14, wherein the Hepes buffer is at 25 mM.

18. The method of claim 11, wherein the sodium bicarbonate is at 30 mM without phenol red.

19. The method of claim 14, wherein the protein free medium further comprises D-glucose.

20. The method of claim 12, wherein the protein free medium comprises D-xylose, RPMI Medium 1640, Hepes buffer, L-glutamine, and sodium bicarbonate without phenol red.

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